

WEST Search History for Application 10530502

Creation Date: 2010031115:29

(374/110, 111, 112, 137, 141, 147, 135, 148, 30)! [CCLS] PGPB, USPT, USOC, EPAB, JPAB ADJ 07-22-2008
((374/110, 111, 112, 137, 141, 147, 135, 148, 30)! [CCLS]) and (optic\$2 near fiber) PGPB, USPT, USOC, EPAB, JPAB ADJ YES 07-22-2008
((374/110, 111, 112, 137, 141, 147, 135, 148, 30)! [CCLS]) and (optic\$2 near fiber near distribut\$3) PGPB, USPT, USOC, EPAB, JPAB ADJ YES 07-22-2008
20030126921 PGPB ADJ YES 07-22-2008
374/\$.ccls. PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD ADJ YES 07-22-2008
(374/\$.ccls.) and (heat\$4 near optic\$3 near fiber) PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD ADJ YES 07-22-2008
374/\$.ccls. PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD ADJ YES 07-22-2008
(374/\$.ccls.) and (heat\$4 near optic\$2 near fiber) PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD ADJ YES 07-22-2008
(374/\$.ccls.) and (heat\$4 near15 optic\$2 near fiber) PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD ADJ YES 07-22-2008
(374/\$.ccls. and (heat\$4 near15 optic\$2 near fiber)) and (heat\$4 near energy) PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD ADJ YES 07-22-2008
(optic\$3 near fiber or optic\$3 near sens\$3 or optic\$3 near probe or optic\$3 near detect\$3) PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD ADJ YES 07-22-2008
((optic\$3 near fiber or optic\$3 near sens\$3 or optic\$3 near probe or optic\$3 near detect\$3)) and (374/\$.ccls.) PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD ADJ YES 07-22-2008
5385404.pn. USPT ADJ YES 07-24-2008
(5385404.pn.) and (IR or infrared or temperature or heat\$4) USPT ADJ YES 07-24-2008
4560286.pn. USPT ADJ YES 07-24-2008
(4560286.pn.) and (diamond) USPT ADJ YES 07-24-2008
(374/\$.ccls.) and (diamond) PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD ADJ YES 07-24-2008
(374/\$.ccls.) and (diamond and phosphor\$2) PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD ADJ YES 07-24-2008
(374/\$.ccls. and (diamond)) and (infrared or IR or heat\$4) PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD ADJ YES 07-24-2008
(374/\$.ccls. and (diamond)) and (infrared or IR or heat\$4) same (diamond) PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD ADJ YES 07-24-2008
(374/\$.ccls. and (diamond) and (infrared or IR or heat\$4) same (diamond)) and (heat\$3 near15 diamond) PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD ADJ YES 07-24-2008
((subterranean or wellbore or borehole or downhole)) same (diamond orand phosphor\$2) PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD ADJ YES 07-24-2008
((subterranean or wellbore or borehole or downhole)) same (diamond or phosphor\$5) PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD ADJ YES 07-24-2008
((subterranean or wellbore or borehole or downhole) same (diamond or phosphor\$5)) and (374/\$.ccls.) PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD ADJ YES 07-24-2008
((subterranean or wellbore or borehole or downhole) same (diamond or phosphor\$5)) and (166/\$.ccls.) PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD ADJ YES 07-24-2008
((subterranean or wellbore or borehole or downhole) same (diamond or phosphor\$5) and 166/\$.ccls.) and (temperature or thermal\$2) PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD ADJ YES 07-24-2008

((subterranean or wellbore or borehole or downhole) same (diamond or phosphor\$5) and
 166/\$.ccls. and (temperature or thermal\$2)) and (optic\$3 near fiber)PGPB, USPT, USOC,
 EPAB, JPAB, DWPI, TDBD ADJ YES 07-24-2008
 6442304.pn.USPT ADJ YES 07-24-2008
 (6442304.pn.) and (temperature)USPT ADJ YES 07-24-2008
 (6442304.pn.) and (temperature near control\$4)USPT ADJ YES 07-24-2008
 (6442304.pn.) and (metal near container)USPT ADJ YES 07-24-2008
 (6442304.pn.) and (pump\$3)USPT ADJ YES 07-24-2008
 20050149264 and (metal or steel)PGPB ADJ YES 07-24-2008
 20050149264PGPB ADJ YES 07-24-2008
 (20050149264) and (pump)PGPB ADJ YES 07-24-2008
 (20050149264) and (valve\$1)PGPB ADJ YES 07-24-2008
 (distillat\$3)PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD ADJ YES 07-24-2008
 ((distillat\$3)) and (374/\$.ccls.)PGPB, USPT, USOC, EPAB, JPAB, DWPI,
 TDBD ADJ YES 07-24-2008
 ((distillat\$3) and 374/\$.ccls.) and (optic\$3 near fiber or optic\$2 near fibre)PGPB, USPT,
 USOC, EPAB, JPAB, DWPI, TDBD ADJ YES 07-24-2008
 ((distillat\$3) and 374/\$.ccls.) and (vapour or vapor or air or gas)PGPB, USPT, USOC, EPAB,
 JPAB, DWPI, TDBD ADJ YES 07-24-2008
 ((distillat\$3) and 374/\$.ccls. and (optic\$3 near fiber or optic\$2 near fibre)) and (vapour or
 vapor or air or gas)PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD ADJ YES 07-24-2008
 ((distillat\$3) and 374/\$.ccls. and (vapour or vapor or air or gas)) and (remov\$3 near
 vapo\$2)PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD ADJ YES 07-24-2008
 3440865.pn.USPT ADJ YES 07-24-2008
 (3440865.pn.) and (separat\$3)USPT ADJ YES 07-24-2008
 ((distillat\$3) and 374/\$.ccls. and (vapour or vapor or air or gas) and (remov\$3 near vapo\$2))
 and (separat\$3)PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD ADJ YES 07-24-2008
 2499105.pn.USPT ADJ YES 07-24-2008
 (2499105.pn.) and (inlet or outlet)USPT ADJ YES 07-24-2008
 (3440865.pn.) and (inlet or outlet)USPT ADJ YES 07-24-2008
 (374/10, 11, 12, 43, 44, 161, 120, 141, 142, 208, 1627, 17, 29, 39, 110, 112, 135, 136, 137,
 130)! [CCLS]PGPB, USPT, USOC, EPAB, JPAB ADJ 07-24-2008
 ((374/10, 11, 12, 43, 44, 161, 120, 141, 142, 208, 1627, 17, 29, 39, 110, 112, 135, 136, 137,
 130)! [CCLS]) and (fiberoptic\$2 or optic\$2 fiber or optic\$2 near fibre or optical ner probe or
 optical near detect\$3)PGPB, USPT, USOC, EPAB, JPAB ADJ YES 07-24-2008
 ((374/10, 11, 12, 43, 44, 161, 120, 141, 142, 208, 1627, 17, 29, 39, 110, 112, 135, 136, 137,
 130)! [CCLS] and (fiberoptic\$2 or optic\$2 fiber or optic\$2 near fibre or optical ner probe or
 optical near detect\$3)) and (distillat\$3)PGPB, USPT, USOC, EPAB,
 JPAB ADJ YES 07-24-2008
 6442304.pn.USPT ADJ YES 12-23-2008
 6442304.pn. and (distribut\$3)USPT ADJ YES 12-23-2008
 6442304.pn. and (distribut\$3)USPT ADJ YES 12-23-2008
 5821861.pn.USPT ADJ YES 12-23-2008
 (5821861.pn.) and (distribut\$3)USPT ADJ YES 12-23-2008
 5821861.pn. and (fiber)USPT ADJ YES 12-23-2008
 5821861.pn. and (fiber) and (control\$4 or adjust\$3 or automatic\$3 or
 regulat\$3)USPT ADJ YES 12-23-2008
 5821861.pn. and (fiber) and (control\$4 or adjust\$3 or automatic\$3 or regulat\$3) and
 (parameter\$1)USPT ADJ YES 12-23-2008
 (5821861.pn. and (fiber) and (control\$4 or adjust\$3 or automatic\$3 or regulat\$3)) and
 (process)USPT ADJ YES 12-23-2008

374/\$.ccls.PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD ADJ YES 12-23-2008
 (374/\$.ccls.) and (react\$3 near vessel)PGPB, USPT, USOC, EPAB, JPAB, DWPI,
 TDBD ADJ YES 12-23-2008
 (374/\$.ccls. and (react\$3 near vessel)) and (control\$4 near parameter\$1)PGPB, USPT, USOC,
 EPAB, JPAB, DWPI, TDBD ADJ YES 12-23-2008
 (5821861.pn. and (fiber) and (control\$4 or adjust\$3 or automatic\$3 or regulat\$3)) and
 (compressed air) and (temperature)PGPB, USPT, USOC, EPAB, JPAB, DWPI,
 TDBD ADJ YES 12-23-2008
 (5821861.pn.) and (pressure)PGPB, USPT, USOC, EPAB, JPAB, DWPI,
 TDBD ADJ YES 12-23-2008
 4703174.pn.USPT ADJ YES 12-23-2008
 4703174.pn. and (distillation)USPT ADJ YES 12-23-2008
 4703174.pn. and (distribut43)USPT ADJ YES 12-23-2008
 (react\$3 near vessel) same distribut\$3 near (optical fiber or fiber near optic or optical
 fibre)PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD ADJ YES 12-23-2008
 (react\$3 near vessel) same (distribut\$3 near optical fiber or fiber near optic or optical
 fibre)PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD ADJ YES 12-23-2008
 ((react\$3 near vessel) same (distribut\$3 near optical fiber or fiber near optic or optical fibre))
 and (temperature and pressure)PGPB, USPT, USOC, EPAB, JPAB, DWPI,
 TDBD ADJ YES 12-23-2008
 (react\$3 near vessel) same (distribut\$3 near optical fiber or distribut\$3 near fiber near optic
 or distribut\$3 near optical fibre)PGPB, USPT, USOC, EPAB, JPAB, DWPI,
 TDBD ADJ YES 12-23-2008
 ((react\$3 near vessel) same (distribut\$3 near optical fiber or fiber near optic or optical fibre))
 and (temperature and distillation)PGPB, USPT, USOC, EPAB, JPAB, DWPI,
 TDBD ADJ YES 12-23-2008
 (optical fiber) same (fluid near drag)PGPB, USPT, USOC, EPAB, JPAB, DWPI,
 TDBD ADJ YES 12-23-2008
 (5821861.pn. and (fiber)) and (valve)USPT ADJ YES 12-23-2008
 4703174.pn.USPT ADJ YES 12-23-2008
 4703174.pn. and (valve)USPT ADJ YES 12-23-2008
 2499105.pn.USPT ADJ YES 12-23-2008
 2499105.pn. and (valve)USPT ADJ YES 12-23-2008
 3440865.pn.USPT ADJ YES 12-23-2008
 3440865.pn. and (valve)USPT ADJ YES 12-23-2008
 reactor vessel and parameter and valveUSPT ADJ YES 12-23-2008
 reactor vessel same parameter same valveUSPT ADJ YES 12-23-2008
 5821861.pn.USPT ADJ YES 12-29-2008
 (5821861.pn.) and (pressure)USPT ADJ YES 12-29-2008
 4703174.pn.USPT ADJ YES 12-29-2008
 (4703174.pn.) and (distillation)USPT ADJ YES 12-29-2008
 (reation vessl or reactor) same (distillation)PGPB, USPT, USOC, EPAB, JPAB, DWPI,
 TDBD ADJ YES 12-29-2008
 (reaction vessl or reactor) near15 (distillation)PGPB, USPT, USOC, EPAB, JPAB, DWPI,
 TDBD ADJ YES 12-29-2008
 (reaction vessl or reactor) near15 (distillation) same (optical fiber or fiber near optic or
 distribut\$3 near optic\$2)PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD ADJ YES 12-29-2008
 (reaction vessl or reactor) near15 (distillation) same (optical fiber or fiber near optic or
 distribut\$3 near optic\$2) and (temperature or pressure)PGPB, USPT, USOC, EPAB, JPAB,
 DWPI, TDBD ADJ YES 12-29-2008
 (reaction vessl or reactor) near15 (distillation) same (optical fiber or fiber near optic or

distribut\$3 near optic\$2) and (temperature or pressure) and (distillation) and (react\$3)PGPB,
 USPT, USOC, EPAB, JPAB, DWPI, TBDJ ADJ YES 12-29-2008
 (reaction vessl or reactor) near (distillation)PGPB, USPT, USOC, EPAB, JPAB, DWPI,
 TBDJ ADJ YES 12-29-2008
 (reaction vessel or reactor) near (distillation)PGPB, USPT, USOC, EPAB, JPAB, DWPI,
 TBDJ ADJ YES 12-29-2008
 ((reaction vessel or reactor) near (distillation)) and (pressure and temperature and
 valves)PGPB, USPT, USOC, EPAB, JPAB, DWPI, TBDJ ADJ YES 12-29-2008
 (reaction vessel or reactor) near (distillation)USPT ADJ YES 12-29-2008
 ((reaction vessel or reactor) near (distillation)) and (pressure and temperature and
 valves)USPT ADJ YES 12-29-2008
 (5821861.pn.) and (stages)USPT ADJ YES 12-29-2008
 7211702.pn.USPT ADJ YES 12-29-2008
 (7211702.pn.) and (valve)USPT ADJ YES 12-29-2008
 (7211702.pn.) and (valve) and (separat\$3)USPT ADJ YES 12-29-2008

Prior Art Searches

Query	DB	Op.	Plur.	Thes.	Date
(distillation) near (column or vessel) same (temperature near sens\$3 or temperature detect\$3 or thermocouple or thermistor or RTD or probe or thermal)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		03-11-2010
374/\$.ccls.	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		03-11-2010
(374/\$.ccls.) and ((distillation) near (column or vessel) same (temperature near sens\$3 or temperature detect\$3 or thermocouple or thermistor or RTD or probe or thermal))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		03-11-2010
(vessel or conduit or reservoir or chamber or distillation) same (thermal map\$3 ot thermal profile or thermal distribution or thermal gradient or temperature near profile or temperature near map\$4 or temperature near distribution or temperature near gradient)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		03-11-2010

(vessel or conduit or reservoir or chamber or distillation) near (thermal map\$3 ot thermal profile or thermal distribution or thermal gradient or temperature near profile or temperature near map\$4 or temperature near distribution or temperature near gradient)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		03-11-2010
((vessel or conduit or reservoir or chamber or distillation) near (thermal map\$3 ot thermal profile or thermal distribution or thermal gradient or temperature near profile or temperature near map\$4 or temperature near distribution or temperature near gradient)) and (fiber near optic\$2)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		03-11-2010
((vessel or conduit or reservoir or chamber or distillation) near (thermal map\$3 ot thermal profile or thermal distribution or thermal gradient or temperature near profile or temperature near map\$4 or temperature near distribution or temperature near gradient) and (fiber near optic\$2)) and (parameter near control\$4)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		03-11-2010
((vessel or conduit or reservoir or chamber or distillation) near (thermal map\$3 ot thermal profile or thermal distribution or thermal gradient or temperature near profile or temperature near map\$4 or temperature near distribution or temperature near gradient) and (fiber near optic\$2) and (parameter near control\$4)) and (temperature near control\$4)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		03-11-2010
((vessel or conduit or reservoir or chamber or distillation) near (thermal map\$3 ot thermal profile or thermal distribution or thermal gradient or temperature near profile or temperature near map\$4 or temperature near distribution or temperature near gradient) and (fiber near optic\$2) and (parameter near control\$4)) and (temperature near control\$4) and (resct\$3 near vessel)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		03-11-2010
((vessel or conduit or reservoir or chamber or distillation) near (thermal map\$3 ot thermal profile or thermal distribution or thermal gradient or temperature near profile or temperature near map\$4 or temperature near distribution or temperature near gradient) and (fiber near optic\$2) and (parameter near control\$4) and (temperature near control\$4)) and (react\$3 near vessel)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		03-11-2010
((vessel or conduit or reservoir or chamber or	PGPB,	ADJ	YES		03-11-2010

distillation) near (thermal map\$3 ot thermal profile or thermal distribution or thermal gradient or temperature near profile or temperature near map\$4 or temperature near distribution or temperature near gradient)) and (react\$3 near vessel)	USPT, USOC, EPAB, JPAB, DWPI, TDBD				
((vessel or conduit or reservoir or chamber or distillation) near (thermal map\$3 ot thermal profile or thermal distribution or thermal gradient or temperature near profile or temperature near map\$4 or temperature near distribution or temperature near gradient) and (react\$3 near vessel)) and (temperature near control\$4 or thermal near control\$4 or heat\$3 near control\$4)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		03-11-2010
((vessel or conduit or reservoir or chamber or distillation) near (thermal map\$3 ot thermal profile or thermal distribution or thermal gradient or temperature near profile or temperature near map\$4 or temperature near distribution or temperature near gradient) and (react\$3 near vessel)) and (temperature near control\$4 or thermal near control\$4 or heat\$3 near control\$4) and (optic\$2 near fiber)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		03-11-2010
((vessel or conduit or reservoir or chamber or distillation) near (thermal map\$3 ot thermal profile or thermal distribution or thermal gradient or temperature near profile or temperature near map\$4 or temperature near distribution or temperature near gradient) and (react\$3 near vessel) and (temperature near control\$4 or thermal near control\$4 or heat\$3 near control\$4) and (optic\$2 near fiber)) and (distribut\$3 near fiber)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		03-11-2010
3567895.pn.	USPT	ADJ	YES		03-11-2010
4384793.pn.	USPT	ADJ	YES		03-11-2010
4440509.pn.	USPT	ADJ	YES		03-11-2010
4767219.pn.	USPT	ADJ	YES		03-11-2010
4823166.pn.	USPT	ADJ	YES		03-11-2010
(374/\$.cccls.) and (distribut\$3 near optic\$2 near fiber)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		03-11-2010

(vessel or conduit or reservoir or chamber or distillation or tank or reactor\$3 near vessel) same (thermal map\$3 or thermal profile or thermal distribution or thermal gradient or temperature near profile or temperature near map\$4 or temperature near distribution or temperature near gradient)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		03-11-2010
((vessel or conduit or reservoir or chamber or distillation or tank or reactor\$3 near vessel) same (thermal map\$3 or thermal profile or thermal distribution or thermal gradient or temperature near profile or temperature near map\$4 or temperature near distribution or temperature near gradient)) and (374/\$.ccls. and (distributed\$3 near optic\$2 near fiber))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		03-11-2010
((vessel or conduit or reservoir or chamber or distillation or tank or reactor\$3 near vessel) same (thermal map\$3 or thermal profile or thermal distribution or thermal gradient or temperature near profile or temperature near map\$4 or temperature near distribution or temperature near gradient)) and (374/\$.ccls. and (distributed\$3 near optic\$2 near fiber)) and (temperature near control\$4 or thermal\$2 near control\$4)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		03-11-2010
(vessel or conduit or reservoir or chamber or distillation or tank or reactor\$3 near vessel or oven or furnace) same (thermal map\$3 or thermal profile or thermal distribution or thermal gradient or temperature near profile or temperature near map\$4 or temperature near distribution or temperature near gradient)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		03-11-2010
((vessel or conduit or reservoir or chamber or distillation or tank or reactor\$3 near vessel or oven or furnace) same (thermal map\$3 or thermal profile or thermal distribution or thermal gradient or temperature near profile or temperature near map\$4 or temperature near distribution or temperature near gradient)) and (distributed\$3 near optic\$2 near fiber)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		03-11-2010
((vessel or conduit or reservoir or chamber or distillation or tank or reactor\$3 near vessel or oven or furnace) same (thermal map\$3 or thermal profile or thermal distribution or thermal gradient or temperature near profile or temperature near map\$4 or temperature near distribution or temperature near gradient) and (distributed\$3 near optic\$2 near fiber)) and (control\$4)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		03-11-2010

5765948.pn.	USPT	ADJ	YES		03-11-2010
5825804.pn.	USPT	ADJ	YES		03-11-2010
03075647	EPAB, JPAB, DWPI	ADJ	YES		03-11-2010
374/\$.ccls.	USPT	ADJ	YES		03-11-2010
(374/\$.ccls.) and (verbitsky)	USPT	ADJ	YES		03-11-2010
(374/\$.ccls. and (verbitsky)) and (optic\$2 near fiber or fiberoptic)	USPT	ADJ	YES		03-11-2010
(374/\$.ccls. and (verbitsky) and (optic\$2 near fiber or fiberoptic)) and (pipe or pipeline)	USPT	ADJ	YES		03-11-2010
(react\$3 near vessel near temperature near control\$4)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		03-11-2010
((react\$3 near vessel near temperature near control\$4)) and ((vessel or conduit or reservoir or chamber or distillation or tank or react\$3 near vessel or oven or furnace) same (thermal map\$3 or thermal profile or thermal distribution or thermal gradient or temperature near profile or temperature near map\$4 or temperature near distribution or temperature near gradient))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		03-11-2010
((react\$3 near vessel near temperature near control\$4) and (vessel or conduit or reservoir or chamber or distillation or tank or react\$3 near vessel or oven or furnace) same (thermal map\$3 or thermal profile or thermal distribution or thermal gradient or temperature near profile or temperature near map\$4 or temperature near distribution or temperature near gradient)) and (optic\$2 near fiber or fiberoptic)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		03-11-2010
(vessel or reservoir or chamber or distillation or tank or react\$3 near vessel or oven or furnace) near (thermal map\$3 or thermal profile or thermal distribution or thermal gradient or temperature near profile or temperature near map\$4 or temperature near distribution or temperature near gradient)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		03-11-2010
		ADJ	YES		03-11-2010

(vessel or reservoir or chamber or distillation or tank or react\$3 near vessel or oven or furnace) near (thermal map\$3 or thermal profile or thermal distribution or thermal gradient or temperature near profile or temperature near map\$4 or temperature near distribution or temperature near gradient) same (distribut\$3 near optic\$2 near fiber or distribut\$3 near fiberoptic)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD				
(vessel or reservoir or chamber or distillation or tank or react\$3 near vessel or oven or furnace) near (thermal map\$3 or thermal profile or thermal distribution or thermal gradient or temperature near profile or temperature near map\$4 or temperature near distribution or temperature near gradient) same (optic\$2 near fiber or fiberoptic)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		03-11-2010
((vessel or reservoir or chamber or distillation or tank or react\$3 near vessel or oven or furnace) near (thermal map\$3 or thermal profile or thermal distribution or thermal gradient or temperature near profile or temperature near map\$4 or temperature near distribution or temperature near gradient)) and (374/\$.ccls.)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		03-11-2010
((vessel or reservoir or chamber or distillation or tank or react\$3 near vessel or oven or furnace) near (thermal map\$3 or thermal profile or thermal distribution or thermal gradient or temperature near profile or temperature near map\$4 or temperature near distribution or temperature near gradient) and 374/\$.ccls.) and (control\$4)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		03-11-2010